

**THE STREET DEPARTMENT IS LOOKING TO PURCHASE  
(1) ONE NEW MECHANICAL TYPE STREET SWEEPER.  
SWEEPER TO BE NAME BRAND ELGIN PELICAN NP OR EXACT  
EQUIVILENT OR BETTER.  
-TECHNICAL SPECIFICATIONS-  
Estimated cost: \$ 196,000.00**

**COMPLY**  
**Yes   No**  
\_\_\_\_\_

**1.0 INTENT**

It is the intent of this specification to provide for the purchase of one (1) new & unused rear steer street sweeper having a belt conveyor, minimum 3.5 cubic yard front high dumping hopper, hydrostatic transmission, and right and left side broom with variable down pressure controlled from cab.

The following specification is based upon an ELGIN PELICAN NP street sweeper. The City's Public Works Department has evaluated different types of street sweepers and has determined that this product is best suited for the City's needs in safety, quality and performance against which all sweeper bids will be compared.

In comparing proposals, consideration will not be confined to price only. The successful bidder will be one whose product is judged to best serve the interests of the City when standardization, price, product, safety, quality and delivery are considered. The City of Fremont reserves the right to reject any or all bids or any part thereof, and to waive any minor technicalities. A contract will be awarded to the bidder submitting the lowest responsible bid meeting the requirements of this specification.

**COMPLY**  
**Yes   No**  
\_\_\_\_\_

**2.0 EQUIVALENT PRODUCT**

Bids will be accepted for consideration on any make or model that is equal or superior to the sweeper specified. Decisions of equivalency will be at the sole interpretation of the City of Fremont's Department of Public Works. A blanket statement that equipment proposed will meet all requirements will not be sufficient to establish equivalence. Original manufacturer's brochures of the proposed unit are to be submitted with the proposal.

All modifications made to the standard production unit described in the manufacturer's brochures must be certified by the manufacturer and submitted with the bid, or the bid will be deemed "non-responsive" and rejected without further review. Bidder must be prepared to demonstrate a unit similar to the one proposed, if requested.

**COMPLY**  
**Yes   No**

**3.0 INTERPRETATIONS**

In order to be fair to all bidders, no oral interpretations will be given to any bidder as to the meaning of the specification documents or any part thereof. Every request for such a consideration shall be made in writing to the City Clerk. Based upon such inquiry, the City may choose to issue an Addendum.

**COMPLY**  
**Yes   No**

**4.0 GENERAL**

The specification herein states the minimum requirements of the City. All bids must be regular in every respect. Unauthorized conditions, limitations, or provisions shall be cause for rejection. The City of Fremont will consider as "irregular" or "non-responsive" any bid not prepared and submitted in accordance with the bid document and specification, or any bid lacking sufficient technical literature to enable the City to make a reasonable determination of compliance to the specification.

It shall be the bidder's responsibility to carefully examine each item of the specification. Failure to offer a completed bid or failure to respond to each section of the technical specification (COMPLY: YES NO) will cause the proposal to be rejected without review as "non-responsive". All variances, exceptions and/or deviations shall be fully described in the appropriate section. Deceit in responding to the specification will be cause for rejection.

**COMPLY**  
**Yes   No**

**5.0 CHASSIS**

- |     |  |       |       |
|-----|--|-------|-------|
| 5.1 | Sweeper shall be a rear steer machine.   | _____ | _____ |
| 5.2 | Steering strut shall have dual tires for safety. Single tire steer wheels not acceptable in case of flat tire. | _____ | _____ |
| 5.3 | Chassis shall be fully welded (formed channel and boxed tube style) for maximum strength.                      | _____ | _____ |
| 5.4 | Rear axle (strut type) minimum capacity: 7400 lbs.   | _____ | _____ |
| 5.5 | Front axles (stub type) each axle having a minimum capacity of 10,000 lbs.                                     | _____ | _____ |
| 5.6 | Front and rear tow hooks shall be on chassis.  | _____ | _____ |

**COMPLY**  
**Yes   No**

**6.0 CHASSIS ENGINE**

- |     |   |       |       |
|-----|---|-------|-------|
| 6.1 | Diesel engine shall be sleeved, counter balanced, 4 cylinder John Deere 4045T (equal or greater). | _____ | _____ |
|-----|---|-------|-------|

		<b><u>COMPLY</u></b>	
		<b><u>Yes</u></b>	<b><u>No</u></b>
6.2	Horsepower rating shall be 74 or greater.	—	—
6.3	Diesel fuel tank: minimum capacity of 30 US gallons.	—	—
6.4	Air Cleaner shall be dual element safety dry type.	—	—
6.5	Engine pre-cleaner shall be provided.	—	—
6.6	An engine shutdown shall be included protecting against damage when either low oil pressure or high coolant temperature conditions occur.	—	—

		<b><u>COMPLY</u></b>	
		<b><u>Yes</u></b>	<b><u>No</u></b>
<b><u>7.0</u></b>	<b><u>TRANSMISSION/HYDRAULICS/BRAKES</u></b>		
7.1	Hydrostatic transmission operated by single foot pedal controlling both forward and reverse directions.	—	—
7.2	Single foot pedal shall automatically produce required torque at a set pressure.	—	—
7.3	Hydraulic reservoir: minimum 30 gallon capacity with sight gauge.	—	—
7.4	Hydraulic power shall be provided by shaft and gear driven pumps.	—	—
7.5	Hydraulic temperature and level shutdown provided.	—	—
7.6	Service brakes shall be full power, hydraulically applied, disk type.	—	—
7.7	Full power enclosed hydraulic internal expanding shoe brakes.	—	—
7.8	Parking brake positively and mechanically applied to drive wheels.	—	—

		<b><u>COMPLY</u></b>	
		<b><u>Yes</u></b>	<b><u>No</u></b>
<b><u>8.0</u></b>	<b><u>TIRES AND WHEELS</u></b>		
8.1	Front tires shall be tubeless radial, minimum 14 ply/Load Range "G".	—	—
8.2	Rear tires shall be tubeless radial, minimum 14 ply/ Load Range "H".	—	—
8.3	Spare front rim and tire shall be provided.	—	—
8.4	Spare rear rim and tire shall be provided.	—	—

		<b><u>COMPLY</u></b>	
		<b><u>Yes</u></b>	<b><u>No</u></b>
<b><u>9.0</u></b>	<b><u>CAB/CONTROLS/INSTRUMENTS</u></b>		
9.1	For safety and maximum operator visibility, doors shall be transparent.	—	—

		<b><u>COMPLY</u></b>	
		<b><u>Yes</u></b>	<b><u>No</u></b>
9.2	Cab interior environment shall be fully conditioned by fresh air AC, heater, pressurizer, defroster with adjustable vents.	_____	_____
9.3	Sweeper shall have right hand and left hand seats. The right hand seat shall be a high back air ride seat.	_____	_____
9.4	Sweeper shall have minimum one (1) inside rear view mirror and two (2) outside west coast type mirrors.	_____	_____
9.5	Sweeper shall have an automatic back-up alarm.	_____	_____
9.6	AM/FM radio shall be provided.	_____	_____
9.7	For safety during night sweeping, all switches and controls shall be illuminated so that they can be easily identified without the use of a cab dome light.	_____	_____
9.8	All sweeper controls shall be mounted on a central control console or within close proximity to the operator allowing the operator to easily view all important information from either operating position.	_____	_____
9.9	The controls shall include all sweep, spray water and lighting functions and shall be easily identified.	_____	_____
9.10	Instrument panel shall be full vision illuminated with tachometer, hour meter, speedometer, odometer, fuel gauge, hydrostatic oil temperature gauge, water temperature gauge, oil pressure gauge, voltmeter gauge, hydraulic filter, drive filter indicator and engine air intake restriction indicator in cab.	_____	_____
9.11	Windshield wiper: 2 speed intermittent with washer.	_____	_____
9.12	Right side steering wheel to included tilt and telescopic steering.	_____	_____
9.13	A right side limb guard shall be provided to protect cab from low hanging tree branches.	_____	_____

		<b><u>COMPLY</u></b>	
		<b><u>Yes</u></b>	<b><u>No</u></b>
<b><u>10.0 ELECTRICAL/LIGHTING</u></b>			
10.1	Alternator: minimum 120 amp.	_____	_____
10.2	Batter shall be easily accessible.	_____	_____
10.3	12 volt, minimum 900 CCA maintenance free battery shall be provided.	_____	_____
10.4	For safety, all electrical circuits shall be protected with automatically self-resetting circuit breakers which do not require any action by the operator to reset.	_____	_____

		<b><u>COMPLY</u></b>	
		<b><u>Yes</u></b>	<b><u>No</u></b>
10.5	Wiring harness shall have color and word coded wires and all circuits protected with auto-reset circuit breakers.	_____	_____
10.6	All electrical connections shall be sealed with waterproof connectors.	_____	_____
10.7	All lighting shall be D.O.T. approved including combination stop, turn, tail and clearance lights (LED), sealed multiple beam headlights, high beam-low beam switch, adjustable side broom spotlights, illuminated gauges and instrument panel, internally illuminated rocker switches, self canceling directional signals and hazard switch.	_____	_____
10.8	Warning lights to include 2 LED strobe beacons, and LED arrow stick, and LED Stop/Tail/Turn lights.	_____	_____
10.9	Warning lights to include dual cab forward facing flood lights with light bar, two rear flood lights, 4 LED flashers, backup lights, sealed beam broom work lights and LED clearance lights.	_____	_____

		<b><u>COMPLY</u></b>	
		<b><u>Yes</u></b>	<b><u>No</u></b>
<b><u>11.0 BROOMS</u></b>			
11.1	Main broom shall be hydraulically driven, direct drive with operator controlled variable speed.	_____	_____
11.2	Main broom speed shall be variable to provide flexibility for various sweeping conditions and shall be independent of sweeping speed.	_____	_____
11.3	The sweeping path shall not be less than 10 feet wide with main broom and both side brooms engaged.	_____	_____
11.4	Main broom down pressure shall be adjustable from cab by operator.	_____	_____
11.5	Main broom shall be pre-fab disposable type.	_____	_____
11.6	To protect the broom mechanism, the main broom shall raise automatically when the sweeper is put in reverse. The broom will return to its sweep position and set down pressure when forward direction is resumed.	_____	_____
11.7	Dual side brooms shall be hydraulically driven, direct drive, vertical digger type mounted on right and left sides.	_____	_____
11.8	Side brooms shall have pre-fab replaceable plastic segments filled with tempered wire.	_____	_____
11.9	Side broom down pressure shall be adjustable by operator from the cab while sweeping.	_____	_____
11.10	The right side broom shall feature a broom tilt mechanism operated from inside the cab. A tilt indicator shall be included.	_____	_____

		<b><u>COMPLY</u></b>	
		<b><u>Yes</u></b>	<b><u>No</u></b>
<b><u>12.0 CONVEYOR</u></b>			
12.1	Conveyor shall be hydraulically driven and operator shall be able to reverse direction of conveyor without stopping or reversing any broom.	_____	_____
12.2	Please state type of conveyor: _____		
12.3	To protect the broom mechanism, the main broom/ conveyor shall raise automatically when the sweeper is put into reverse.	_____	_____
12.4	A stall alarm shall be provided to notify the operator if the conveyor stalls.	_____	_____
12.5	A lower roller deflector shall be provided to reduce material from between the roller and conveyor.	_____	_____
12.6	Sweeper shall have carbide dirt shoes.	_____	_____

		<b><u>COMPLY</u></b>	
		<b><u>Yes</u></b>	<b><u>No</u></b>
<b><u>13.0 HOPPER</u></b>			
13.1	To allow for increased operator visibility and safety, hopper shall be front dumping.	_____	_____
13.2	Hopper dump height shall be minimum 9 feet.	_____	_____
13.3	Useable hopper capacity to be 3.5 cubic yards or greater.	_____	_____

		<b><u>COMPLY</u></b>	
		<b><u>Yes</u></b>	<b><u>No</u></b>
<b><u>14.0 WATER SYSTEM</u></b>			
14.1	Water tank capacity: minimum 200 US gallons.	_____	_____
14.2	Water tank shall be constructed of non-rusting material (polyethylene or 7 gauge type 304 stainless steel – equal or greater). Epoxy liners will not be accepted.	_____	_____
14.3	Water fill hose quick disconnect provided.	_____	_____
14.4	Water fill gauge shall be visible by the operator during sweeping operations.	_____	_____
14.5	Water pump shall be capable of running dry and not causing damage to the pump.	_____	_____
14.6	Sweeper shall have an internal hopper/conveyor flush and wash down system.	_____	_____
14.7	Sweeper shall have a lower roller wash out system.	_____	_____

		<b><u>COMPLY</u></b>	
		<b><u>Yes</u></b>	<b><u>No</u></b>
<b><u>15.0 PAINT</u></b>			
15.1	Color of sweeper shall be white or gray.	_____	_____
15.2	Paint shall be minimum 2 mils thickness.	_____	_____
15.3	Paint shall be powder-coated.	_____	_____

		<u>COMPLY</u>	
		<u>Yes</u>	<u>No</u>
<b><u>16.0</u></b>	<b><u>MANUALS</u></b>		
16.1	A parts manual shall be provided.	_____	_____
16.2	An operational manual shall be provided.	_____	_____
16.3	A service manual shall be provided.	_____	_____
16.4	An engine service manual shall be provided.	_____	_____

		<u>COMPLY</u>	
		<u>Yes</u>	<u>No</u>
<b><u>17.0</u></b>	<b><u>WARRANTY</u></b>		
17.1	Two year warranty provided.	_____	_____
17.2	State warranty: _____		
	_____		
	_____		
	_____		

17.3	Water tank lifetime warranty provided.	_____	_____
17.4	Bidders submitting literature stating warranties which do not fully comply with warranty requirements of this specification, must submit a letter from the manufacturer certifying warranty compliance as an integral part of their proposal. Failure to comply may cause the proposal to be deemed “non-responsive” and rejected without further review.	_____	_____

		<u>COMPLY</u>	
		<u>Yes</u>	<u>No</u>
<b><u>18.0</u></b>	<b><u>SERVICE AND TRAINING</u></b>		
18.1	Vendor shall have a full parts and service facility within a reasonable distance from the Fremont City garage – 97 W. 3 <sup>rd</sup> St. – Fremont NE	_____	_____
18.2	State vendor location and distance from Fremont NE:		
	_____		
	_____		
	_____		
18.3	A qualified technician shall provide complete training to City personnel at the City garage. Training shall include safety, operation, maintenance and service.	_____	_____

**COMPLY**  
**Yes   No**

**19.0 DELIVERY**

- 19.1 Sweeper shall be delivery F.O.B. to 97 W. 3<sup>rd</sup> St in Fremont Nebraska in new operating condition. Delivery charges shall be included in total bid.
- 19.2 Acceptance of sweeper shall be subject to the inspection and approval of Street Department personnel.
- 19.3 Delivery: 90 to 120 days.
- 19.4 Bidder shall state delivery time after receipt of order.

\_\_\_\_

\_\_\_\_

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**COMPLY**  
**Yes   No**

**20.0 QUALITY**

- 20.1 Sweeper shall be manufactured by a company with a registered quality standard no less than ISO 9001.

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**21.0 OPTIONAL TRADE-IN**

The City of Fremont may choose, at it's sole discretion, to trade in a 2006 Johnston/Allianz MT-350 sweeper, Serial Number 1FVAB6BV86DW43518, in "as is" condition at the time of bid opening. This sweeper is available for inspection at the City Street Department garage at 97 W. 3<sup>rd</sup> St. in Fremont Nebraska. Bidder shall state the amount of allowance to be deducted from the Bidder's Proposal, should this option be selected.

TRADE-IN ALLOWANCE: \$ \_\_\_\_\_

**22.0 EXCEPTIONS AND DEVIATIONS**

Bidder shall fully describe every variance, exception and/or deviation. Additional pages may be used if needed.